

**ENHANCED DEVICE ALARMS
IN A PROCESS CONTROL SYSTEM**

ABSTRACT OF THE DISCLOSURE

An alarm display and interface system method for use in a process control
5 system enhances device alarm messages to enable the integrated display device alarms
with process alarms. The system and method receives a device alarm message from a
field device and the device alarm message has a first set of message fields including a
first set of device information. The system and method appends a second set of
message fields containing a second set of device information associated with the field
10 device to the device alarm message based on the first set of device information to
form an enhanced device alarm message and selects a device alarm table based on the
second set of device information within the enhanced device alarm message. The
system and method maps the first set of device information within the enhanced
device alarm message to the selected device alarm table to identify a set of
15 information fields containing displayable alarm information and displays a portion of
the displayable alarm information.

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